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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/772,625	02/05/2004	James Owen	ORACL-01483US0	5660
80548	7590	07/16/2008		
Fliesler Meyer LLP 650 California Street 14th Floor San Francisco, CA 94108			EXAMINER SYED, FARHAN M	
			ART UNIT 2165	PAPER NUMBER
			MAIL DATE 07/16/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/772,625

Applicant(s)

OWEN ET AL.

Examiner

FARHAN M. SYED

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Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 May 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 10, 15-20, 22-26, 29, 31, 38 and 39 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 10, 15-20, 22-26, 29, 31, 38 and 39 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 5/21/08, 06/30/08
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. Claims 10, 15-20, 22-26, 29, 31 and 38-39 are pending.
2. The Examiner acknowledges the cancellation of claims 13, 28, and 34 and amended claims 10, 19, 29, 31, and 36-39.

Continued Examination Under 37 CFR 1.114

3. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 21 May 2008 has been entered.

Information Disclosure Statement

4. The information disclosure statements (IDS) submitted on 31 May 2008 and 30 June 2008, respectively are being considered by the examiner.

Response to Remarks/Argument

5. Applicant's arguments with respect to claims 10, 15-20, 22-26, 29, 31 and 38-39 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 10, 13, 15-20, 22-26, 29, 31, 34, and 38-39 are rejected under 35 U.S.C. 102(b) as being anticipated by Prompt, et al (U.S. Patent Pub. 2001/0034733 A1 and known hereinafter as Prompt).

As per claims 10, 19, 29, and 31, Prompt teaches a method for transferring content to a plurality of content repositories (i.e. *"A computer system having a hierarchical/relational translation system is provided for enabling information from unrelated heterogeneous relational computing systems to be accessed, navigated, searched, browsed, and shared over hierarchical computing systems."*)(see at least paragraphs [0018-0019]), comprising: identifying a content in at least one of a file system (i.e. *"In the described embodiments, users can search and/or browse the virtual directory to find the data needed or they can query the directory with simple commands to search for the information needed"*)(see at least paragraphs [0018-0019]) and a website by traversing the at least one of a file system and website (i.e. *"There are conventionally-known ways of indexing and addressing information on the Internet (also referred to interchangeably as the "Net") using an Internet directory. An Internet directory is an application service that generally performs information retrieval based on properties associated with the data of interest. Internet directories can store various types of objects, wherein each object is associated with a type of property or characteristic."*)(see at least paragraph [0005]); associating a schema with the content (i.e.

"...virtual directories of the present invention use schema-based data extraction to create a hierarchical object model." (see at least paragraphs [0089-0092, 0099-0101]); and communicating with a virtual content repository (VCR) (i.e. *"The virtual directory establishes a link between the two types of customer records and aggregates their data without changing the view. The aggregated records in the virtual directory constitute a "supercategory" of customers, which automates the process of searching for information in both source databases, and provides a unique way to index and address the data."*) (see at least paragraph [0115]) via an Application Programming Interface (API) to provide the content (i.e. *"Using a standard Application Programming Interface (API) facilitates the mapping that allows navigation between the two unrelated databases."*) (see at least paragraphs [0115-0118]) and the schema to the VCR for inclusion in one or more of a plurality of content repositories (i.e. *"More importantly, the same mechanism is able to operate on different schema to aggregate data and to provide a simple way to deliver a choice of views."*) (see at least paragraphs [0115-0118]), wherein the VCR integrates the plurality of content repositories into a logical repository (i.e. *"Additionally, the VDS enables the aggregation of data from diverse heterogeneous databases"*) see at least paragraphs [0116-0120]), storing the content and the schema in a node (i.e. *"In doing so, for each Object selected, a node in the DirectoryView Tree is generated 1508. Each node describes the information needed to query the database 106."*) (paragraphs [0120-123]) in one or more of the plurality of content repositories (i.e. *"In the embodiment shown in FIG. 4, network communication system 100b enables the translation of relational database objects and (logical) relationships to virtual directory entries that are useable with hierarchical network data models in accordance with the present invention."*) (see paragraphs [0120-0123; 0140-0155]), wherein the schema is metadata that describes the node's priorities (i.e. *"In one embodiment, system 100b includes the VDS application 1054 along with six modules of software according to the present invention."*) "...a program for mapping relational objects, such as tables, columns, attributes, and logical relationships into an external (e.g.,

XML) format." (see at least paragraphs [0159-0163]); wherein the API presents a unified view of the plurality of content repositories as a single repository and enables navigation of the plurality of content repositories (i.e. Directory View Generator) (see at least paragraphs [0159-0163]; see also Figure 11, 14a, and 14b); wherein each content repository in the plurality of content repositories implement a Service Provider Interface (SPI) (i.e. schema manager application) (see at least paragraphs [0175-0184]) to integrate into the VCR (i.e. VDS) (see at least paragraphs [0159-0163, 0175-0184]); and wherein the API and the SPI share a content model that represents combined contents of the plurality of content repositories as a hierarchy of nodes (see at least paragraphs [0241-0267]).

As per claims 15, 26, and 36, Prompt teaches a method wherein the step of identifying the first content includes: extracting properties from one of: 1) a file; 2) a hypertext markup language (HTML) document; and 3) an Extensible Markup Language (XML) document (see at least paragraphs [0005, 0018-0019, 0089-0092, 0099-0110, 0115-0123, 0140-0155, 0159-0163, 0175-0184, and [0241-0267]; see also Figure 11, 14a, and 14b).

As per claims 16, and 37, Prompt teaches a method wherein the step of associating the first schema with the first content includes: acquiring the first schema from at least one of: 1) a file; 2) a hypertext markup language (HTML) document; and 3) an Extensible Markup Language (XML) document (see at least paragraphs [0005, 0018-0019, 0089-0092, 0099-0110, 0115-0123, 0140-0155, 0159-0163, 0175-0184, and [0241-0267]; see also Figure 11, 14a, and 14b).

As per claims 17, and 38, Prompt teaches a method wherein the step of communicating with the VCR includes: persisting in one of the plurality of content repositories the content and the schema (see at least paragraphs [0005, 0018-0019, 0089-0092, 0099-0110, 0115-0123, 0140-0155, 0159-0163, 0175-0184, and[0241-0267]; see also Figure 11, 14a, and 14b).

As per claims 18, and 39, Prompt teaches a method wherein the step of communicating with the VCR includes: preserving in one of the plurality of content repositories hierarchical relationships between the first content and other content in the VCR (see at least paragraphs [0005, 0018-0019, 0089-0092, 0099-0110, 0115-0123, 0140-0155, 0159-0163, 0175-0184, and[0241-0267]; see also Figure 11, 14a, and 14b).

As per claim 20, Prompt teaches a system further comprising: at least one second process that interacts with the first process; wherein the at least one second process provides to the first process the content and the schema corresponding to the content; and a third set of services that enables interaction between the at least one second process and the first process (see at least paragraphs [0005, 0018-0019, 0089-0092, 0099-0110, 0115-0123, 0140-0155, 0159-0163, 0175-0184, and[0241-0267]; see also Figure 11, 14a, and 14b).

As per claims 21 and 23, Prompt teaches a system wherein: the third set of services provides a first function for directing the at least one second process to extract at least one property from the content (see at least paragraphs [0005, 0018-0019, 0089-0092,

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0099-0110, 0115-0123, 0140-0155, 0159-0163, 0175-0184, and[0241-0267]; see also Figure 11, 14a, and 14b); and wherein a property is an association between a name and a value (see at least paragraphs [0005, 0018-0019, 0089-0092, 0099-0110, 0115-0123, 0140-0155, 0159-0163, 0175-0184, and[0241-0267]; see also Figure 11, 14a, and 14b).

As per claims 22 and 24, Prompt teaches a system wherein: the at least one second process derives the schema from the content (see at least paragraphs [0005, 0018-0019, 0089-0092, 0099-0110, 0115-0123, 0140-0155, 0159-0163, 0175-0184, and[0241-0267]; see also Figure 11, 14a, and 14b).

As per claim 25, Prompt teaches a system further comprising: at least one second process operable that locates the schema corresponding to the content (see at least paragraphs [0005, 0018-0019, 0089-0092, 0099-0110, 0115-0123, 0140-0155, 0159-0163, 0175-0184, and[0241-0267]; see also Figure 11, 14a, and 14b).

As per claim 28, Prompt teaches a system wherein: the first set of services and the second set of services share a content model (see at least paragraphs [0005, 0018-0019, 0089-0092, 0099-0110, 0115-0123, 0140-0155, 0159-0163, 0175-0184, and[0241-0267]; see also Figure 11, 14a, and 14b).

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Park et al (U.S. Patent Pub. 2004/0024812 A1) – teaches a content publication system supporting real-time integration and processing of multimedia content.

Van Huben et al (U.S. Patent 6,327,594 B1) – teaches a system that performs with a data manager and with an input from a user or pervasive computing device via an API a plurality of process on data residing in heterogeneous data repositories of computer system including promotion, check-in, check-out, locking, library searching, setting and viewing process results, tracking aggregations, and managing parts, releases and problem fix data under management control of a virtual control repository having one or more physical heterogeneous repositories. The system provides for storing, accessing, tracking data residing in said one or more data repositories managed by the virtual control repository.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Farhan M. Syed whose telephone number is 571-272-7191. The examiner can normally be reached on 8:30AM-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christian Chace can be reached on 571-272-4190. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/F. M. S./
Examiner, Art Unit 2165

/Neveen Abel-Jalil/

Primary Examiner, Art Unit 2165